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CLAIMS:

What is claimed is:

1.   A method of retaining a privilege in a Java-enabled environment, comprising the steps of:

5   (a) creating a stack frame shadow apparatus containing a list of privileges granted to particular functions;

        (b) retrieving said list when a function is called; and

        (c) implementing said function if it retains the privilege.

10   2.   The method of Claim 1 wherein step (a) comprises writing a stack frame extension for a first Java thread.

3.   The method of Claim 2 wherein writing a stack frame extension comprises using the thread identifier to retrieve a list of frame extension entries.

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4.   The method of Claim 3 further comprises searching the list of frames for a matching frame entry.

5.   The method of Claim 4 further comprises updating the extension entry with
20   frame extension information and validation information.

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6.   A method of decoupling a Java virtual machine (JVM) from a browser while retaining applet security privileges, comprising the steps of:

(a) copying a list of privileges afforded to an applet from the JVM into a shadow apparatus;

25   (b) retrieving the list of privileges from the shadow apparatus.

7.   The method of Claim 6 further comprises:

(c) validating the retrieved list of privileges.

30   8.   The method of Claim 6 wherein said list of privileges is a list of implicit privileges afforded to Java system classes.

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9.   A data processing system containing a Java-enabled browser, said system comprising:

    (a) means for decoupling a Java virtual machine from the browser;

    (b) means for writing a list of privileges afforded to an applet to a shadow

5 apparatus.

    (c) retrieval means for retrieving the list of privileges from the shadow apparatus;

    (d) validation means for confirming the privilege is valid.

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